

LISTING OF CLAIMS

The following listing of claims replaces all prior listings.

23. (Original) A window assembly comprising:

a pane defining a plane;

a latch bolt housing mounted to the pane;

a latch bolt slidingly mounted to the latch bolt housing, the latch bolt adapted for compound sliding movement in a plane substantially parallel to the plane of the pane between a first position and a second position;

a biasing member operative to urge the latch bolt toward the first position; and

a release handle remote from the latch bolt and operative to move the latch bolt from the first position toward the second position against a biasing force of the biasing member.

24. (Original) The window assembly of claim 23, comprising at least one additional latch bolt.

25. (Original) The window assembly of claim 24, further comprising at least one additional latch bolt housing to which the at least one additional latch bolt is slidingly mounted.

26. (Original) The window assembly of claim 23, further comprising at least one compound mounting pin slot in the latch bolt.

27. (Original) The window assembly of claim 26, further comprising at least one mounting pin, each mounting pin secured to the latch bolt housing and extending into a corresponding mounting pin slot.

28. (Original) A window assembly comprising:

a pane defining a plane;

a latch bolt housing mounted to the pane;

a latch bolt slidably mounted to the latch bolt housing for movement in a plane substantially parallel to the plane of the pane between a first position and a second position;

a biasing member operative to urge the latch bolt toward the first position;

a release handle remote from the latch bolt and operative to move the latch bolt from the first position toward the second position against a biasing force of the biasing member; and

at least one compound mounting pin slot in the latch bolt wherein each compound mounting pin slot comprises a first segment extending substantially parallel to a peripheral edge of the pane, a second segment extending substantially parallel to the peripheral edge of the pane and laterally offset from the first segment, and a third segment connecting the first and second segments.

29. (Original) The window assembly of claim 26, wherein each compound mounting pin slot comprises a first segment extending substantially parallel to a peripheral edge of the pane, and a second segment extending at an angle with respect to the peripheral edge of the pane and connected to the first segment.

30. (Original) The window assembly of claim 23, wherein the biasing member is a spring.

31. (Original) The window assembly of claim 23, further comprising a shoulder, wherein the latch bolt includes a beveled latch portion operative to engage the shoulder.

32. (Original) The window assembly of claim 23, wherein the release handle comprises a cam with a handle and a cable having a first end connected to the cam and a second end connected to the latch bolt.

33. (Original) The window assembly of claim 23, wherein the latch bolt housing defines a cavity and the latch bolt is slidingly received in the cavity.

34. (Original) A window assembly comprising:

a pane;

a hinge mounted along a first peripheral edge of the pane; and

a latch assembly comprising:

a latch bolt housing mounted to a second peripheral edge of the pane and defining a cavity,

a latch bolt slidably received in the cavity, having one or more compound mounting pin slots and a beveled latch portion, the latch portion being operative to engage a shoulder of a vehicle;

at least one mounting pin secured to the latch bolt housing and slidably received in a corresponding mounting pin slot for compound sliding movement of the latch bolt between a latched position and an unlatched position;

a spring mounted to the latch bolt housing, operative to urge the latch bolt into the latched position; and

a release handle mounted to the pane remote from the latch bolt, operative to move the latch bolt into the unlatched position against a biasing force of the spring.

35. (Original) The window assembly of claim 34, wherein the latch assembly is self-latching.

36. (Original) The window assembly of claim 34, wherein the beveled latch portion and the shoulder cooperatively interact with each other to move the latch bolt from the latched position to the unlatched position and back to the latched position when the pane is moved from an open position to a closed position.

37. (Original) The window assembly of claim 34, wherein the latch bolt has two compound mounting pin slots and the latch bolt housing includes two mounting pins.

38. (Original) The window assembly of claim 34, wherein the compound mounting pin slots comprise a first segment extending substantially parallel to the second peripheral edge, a second segment extending substantially parallel to the second peripheral edge and laterally offset from the first segment, and a third segment extending at an angle with respect to the second peripheral edge and connecting the first and second segments.

39. (Original) The window assembly of claim 34, wherein the compound mounting pin slots each comprise a first segment extending substantially parallel to the second peripheral edge, and a second segment extending at an angle with respect to the second peripheral edge and connected to the first segment.

40. (Original) The window assembly of claim 34, wherein the release handle comprises a cam with a handle and a cable having a first end connected to the cam and a second end connected to the latch bolt.

41. (Original) A window assembly comprising:

a pane;

a hinge mounted along a first peripheral edge of the pane; and

a latch assembly comprising:

a latch bolt housing mounted to a second peripheral edge of the pane and defining a cavity;

a latch bolt slidably received in the cavity, having a pair of compound mounting pin slots and a beveled latch portion, the latch portion being operative to engage a shoulder of a vehicle, the compound mounting pin slots comprising a first segment extending substantially parallel to the second peripheral edge, a second segment extending substantially parallel to the second peripheral edge and laterally offset from the first segment, and a third segment extending at an angle with respect to the second peripheral edge and connecting the first and second segments;

a pair of mounting pins secured to the latch bolt housing and slidably received in corresponding mounting pin slots for compound sliding movement of the latch bolt between a latched position and an unlatched position;

a spring mounted to the latch bolt housing, operative to urge the latch bolt into the latched position; and

a release handle mounted to the pane remote from the latch bolt, operative to move the latch bolt into the unlatched position against a biasing force of the spring.

42. (Original) The window assembly of claim 23 wherein the latch bolt is adapted for compound sliding movement along a path comprising a first path segment substantially parallel to a peripheral edge of the pane followed by a second path segment angularly connected to the first path segment followed by a third path segment angularly connected

to the second path segment and substantially parallel to the peripheral edge of the pane and laterally offset from the first path segment.

43. (Original) A method of operating a window assembly comprising:

providing a window assembly comprising a pane defining a plane, a latch bolt housing mounted to the pane, a latch bolt slidingly mounted to the latch bolt housing for movement in a plane substantially parallel to the plane of the pane between a first position and a second position, a biasing member operative to urge the latch bolt toward the first position, and a release handle remote from the latch bolt and operative to move the latch bolt from the first position toward the second position against a biasing force of the biasing member; and

moving the latch bolt from the first position to the second position along a path comprising a first segment substantially parallel to a peripheral edge of the pane, a second segment substantially parallel to the peripheral edge of the pane and laterally offset from the first segment, and a third segment connecting the first and second segments.

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